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PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Alexandria, VA 22313-1450 on the date shown below.

Total Number of Pages in This Submission

Application Number 10/806,030 Filing Date March 22, 2004 First Named Inventor Koji HIGUCHI, et al Art Unit 2853 **Examiner Name** Rene Garacia, Jr. Attorney Docket Number 9319A-000737(EPS-45-US)

ENCLOSURES (check all that apply)						
⊠ Fee Transmittal Form		☐ Drawing(s)		After Allowance Communication to Technology Center (TC)		
Fee Attached		Licensing-related Papers		Appeal Communication to Board of Appeals and Interferences		
Amendment / Reply		Petition		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)		
After Final			Convert to a Application	Proprietary Information		
Affidavits/dec	claration(s)		ttorney, Revocation Correspondence Address	Status Letter		
Extension of Time	e Request	Terminal D	isclaimer	Other Enclosure(s) (please identify below):		
Express Abandonment Request		Request for Refund CD, Number of CD(s)		Form 1449 Return Postcard		
Information Disclo	osure Statement					
Certified Copy of Document(s) Response to Miss Incomplete Applic	sing Parts/	Remarks	fees that may be requ	hereby authorized to charge any additional pired under 37 CFR 1.16 or 1.17 to Deposit . A duplicate copy of this sheet is enclosed.		
Response to Missing Parts under 37 CFR 1.52 or 1.53						
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT						
Firm or Harness, Dickey & P		Pierce, P.L.C.	Attorney Name G. Gregory Schivley Bryant E. Wade	Reg. No. 27,382 40,344		
Signature	Signature J. Turker Murch					
Date	June 8, 2006)4,			
CERTIFICATE OF TRANSMISSION/MAILING						

chivley/Bryant E. Wade Express Mail EV 853 856 542 US (6/8/2006) Typed or printed name G. Gregory \$ Signature Date June 8, 2006

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450.

This collection of information is required by 3f CFR 1.6. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1/2 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or/suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

HDP/SB/17 (02-06)
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FEE TRANSMITTAL for FY 2006

Effective 2/8/2006. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

180

TOTAL AMOUNT OF PAYMENT

Complete if Known				
Application Number	10/806,030			
Filing Date	March 22, 2004			
First Named Inventor	Koji HIGUCHI, eţ al			
Examiner Name	Rene Garacia, Jr.			
Art Unit	2853			
A44	0310A_000737 (EDS_45_US)			

METHOD OF PAYMENT (check all that apply)							FEE C	ALCULATION (continued)	
			3	3. ADI	DITION	VAL FE			
☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None Order				Large	Entity	Sma	all Entity	!	
☑ Deposit Account:			Fe Co	ee ode	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Deposit				051	130	2051	65	Surcharge - late filing fee or oath	
Account Number	50-3213		10)52	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
Demonit	<u></u>		10	053	130	1053	130	Non-English specification	
Deposit Account	Epson R & D			312	2,520	1812	2,520	For filing a request for reexamination	
Name		·	18	304	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) ir	Ithorized to: (check all that andicated below 🖾 Credit and	y overpayments		305	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
	fitional fee(s) during the pend adicated below, except for the		'' ²	251	120	2251	60	Extension for reply within first month	
	fied deposit account.		12	252	450	2252	225	Extension for reply within second month	
	FEE CALCULATION		12	253	1020	2253	510	Extension for reply within third month	
1. BASIC FI	LING FEE		12	254	1,590	2254	795	Extension for reply within fourth month	
	ee Fee Fee Descripti	on	12	255	2,160	2255	1080	Extension for reply within fifth month	
	ode (\$)	Fee Paid	14	101	500	2401	250	Notice of Appeal	
1011 300 20	011 150 Utility filing fee] 14	102	500	2402	250	Filing a brief in support of an appeal	
1012 200 20	012 ,100 Design filing fe	e	14	03	1000	2403	500	Request for oral hearing	
1013 200 20	013 100 Plant filing fee		14	52	500	2452	250	Petition to revive – unavoidable	
1014 300 20	014 150 Reissue filing t	ee	14	53	1500	2453	750	Petition to revive – unintentional	
1005 200 20	005 100 Provisional filli	ng fee	14	62	400	1462	400	Petition fee under 37 CFR 1.17(f)	
			14	63	200	1463	200	Petition fee under 37 CFR 1.17(g)	
SUBTOTAL (1) (\$) 0			ا ا 140	64	130	1464	130	Petition fee under 37 CFR 1.17(h)	
2. EXTRA CLAI	M FEES FOR UTILITY A	ND REISSUE	18	07	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
	Extra	Fee from Fee	18	06	180	1806	180	Submission of Information Disclosure	180
Total Claims	-20 ** = 0 X	below Paid = 0	- I					Stmt	<u> </u>
Independent Claims	-3** = 0 X	= 0	80.	21	40	8021	40	Recording each patent assignment per property (times number of properties)	
L Multiple		= 0	18	09	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
Dependent Large Entity 1	Small Entity		18	10	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
Fee Fee Code (\$)	Fee Fee Fee Desc	ription	18	301	790	2801	395	Request for Continued Examination (RCE)	
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**or number previously paid, if greater; For Reissues, see above							SUBTOTAL (4) (\$)0		
SUBMITTED BY		1						Complete (if applicable)	
	G. Gregory Schivley	Registration No.	7.	,	. 27.3	2 2			
// / Registration typ,				Telephone 248-641-1600					

SUBMITTED BY	a 1		Com	plete (if applicable)
	G. Gregory Schivley/ Registration No.	27,362		
Name (Print/Type)	Bryant E. Wade (Attorney/Agent)		Telephone	248-641-1600
Signature	1. /heepen / Ol	lower	Date	June 8, 2006

PATENT

JUN 0 8 2006 B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

cation No.:

10/806,030

Filing Date:

March 22, 2004

Applicant:

Koji HIGUCHI, et al

Group Art Unit:

2853

Examiner:

Rene Garacia, Jr.

Title:

DROPLET EJECTION APPARATUS

Attorney Docket:

9319A-000737 (EPS-45-US)

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS</u>, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice added October 19, 2004); and (iv) all other information or that portion which are caused it to be listed.

B. Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following

100 00 00

applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120: U.S. Serial Number U.S. Filing Date C. This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g).) III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box) A. Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required). B. A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)): 1. See the attached foreign patent office communication regarding a related foreign application in: 2. English translations are provided as follows: As indicated on attached Form 1449. 3. Cother: C. The following additional information is provided for the Examiner's consideration: IV. CROSS REFERENCE TO RELATED APPLICATION(S) A. The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Filing Date

V. THIS IDS IS BEING FILED UNDER

Serial No.

Inventor(s)

A.
1. within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
2. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
3. before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
4. Defore the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.
B.
before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
1. \boxtimes No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
2. See the certification below. No fee is required.
C. 37 C.F.R. § 1.97(d):
after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
The undersigned hereby certifies that:
A. each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. §

VI.

	1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or
	B no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
	C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.
VII.	STATEMENT UNDER 37 C.F.R. 1.704(d)
	The undersigned hereby states that:
	each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.
VIII.	PAYMENT OF FEES (check only one box)
	A. \square A check in the amount of \$180.00 is enclosed for the above identified fee.
	B. \square Please charge Deposit Account No. 50-3213 in the amount of \$180.00 for the above-indicated fee.
anticip combi	The above references are being cited only in the interest of candor and at any admission that they constitute statutory prior art, contain matter which pates the invention, or which would render the same obvious, either singly or in nation, to a person of ordinary skill in the art. Furthermore, this Information sure Statement shall not be construed as a representation that a search has made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is

requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-3213 (Epson R&D).

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 50-3213 (Epson R&D).

Respectfully submitted,

Dated: <u>06/08/2006</u>

G. Gregory Schivley

Reg/No.27,382

Bryant E. Wade Reg. No. 40,344

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

[GGS/BEW/MPD/cn]



Í HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.	SERIAL NO.
9319A-000737	10/806,030
APPLICANT	
Koji HIGUCHI, et al	
FILING DATE	GROUP
March 22, 2004	2853

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		2002/0089562 A1	07/11/02	Simons et al		

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	* No
1.				•			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)					
Ref. Desig.	Examiner's Initials				
1.					

^{*}One or more of the English translation documents submitted herewith may be Abstracts only or partial machine created translations from the Japanese Patent Office. As such, the submitter does not necessarily vouch for their accuracy. Additional information may be obtained from the Japanese Patent Office web site at www.ipo.go.ip

Examiner:	Date Considered:
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